

```

arrayplot.Daily.Dosing <- function(PBPK.param.list,
days,
dose,
PBPK.model.list=list(),
time.step=0.1,
compartment="Cliver"
,log="",
ylim=NULL,
xlim=NULL,
shaded=FALSE,
main=NULL,
cex.main=0.9,
shade.col="lightblue",
cex=2,
cex.lab=1.75,
cex.axis=1.5,
ylab="Concentration (uM)",
xlab="Time (Days)",
lwd=2,
y.shift=-1.5,
x.shift=1.5)
{
  par.default <- par(no.readonly = TRUE)
  boxes <- length(PBPK.param.list)
  xacross <- round(boxes^(1/2))
  yacross <- 0
  while (boxes > yacross*xacross) yacross <- yacross +1
  boxorder <- matrix(seq(1,yacross*xacross),xacross,yacross,byrow=TRUE)
  layout(boxorder)
  par(mar=c(1.4, 3.3, 2, .2)+0.1,oma=c(5,2,1,1))
  for (this.chem in 1:length(PBPK.param.list))
  {
    print(this.chem)
    if (any(unlist(lapply(PBPK.param.list[[this.chem]],is.na))) |
identical(PBPK.param.list[[this.chem]]$Fraction_unbound_plasma,numeric(0)))
      plot(-10,-
10,main=names(PBPK.param.list[[this.chem]]),xlab="",ylab="",cex.main=cex.main,xlim=xlim,ylim=ylim,cex=cex,cex.lab=cex.lab,cex.axis=cex.axis,lwd=lwd,log=log)
    else
    {
      if (is.null(PBPK.model.list[[this.chem]][[1]])) this.model <- vliver_pbpk
      else this.model <- PBPK.model.list[[this.chem]]}

    plot.Daily.Dosing(PBPK.param.list[[this.chem]],days,dose,PBPK.model=this.model,cex.main=cex.main,m
ain=names(PBPK.param.list[[this.chem]]),xlab="",ylab="",shaded=shaded,shade.col=shade.col,xlim=xlim,y
lim=ylim,cex=cex,cex.lab=cex.lab,cex.axis=cex.axis,lwd=lwd,log=log)
    }
  }

  par(par.default)
  title(xlab=xlab,cex.lab=cex.lab,outer=TRUE,line=x.shift)
  title(ylab=ylab,cex.lab=cex.lab,outer=TRUE,line=y.shift)
}

```